

WHAT IS CLAIMED IS:

1. An electronic module comprising:

an electronic circuit board having a plurality of circuit elements, a plurality of signal lines connected to the plurality of circuit elements, and a plurality of board terminals disposed on a terminal region; and

an input board, a first driver circuit board and a second driver circuit board mounted on the terminal region of the electronic circuit board; wherein

each of the first and second driver circuit boards has a plurality of input terminals and a plurality of output terminals, the plurality of output terminals being electrically connected to the plurality of signal lines of the electronic circuit board;

the input board has a plurality of main wiring lines for transmitting signals input externally, and a plurality of first branch wiring lines and a plurality of second branch wiring lines branched from the plurality of main wiring lines; and

the plurality of first branch wiring lines and the plurality of second branch wiring lines are electrically connected to the plurality of input terminals of the first

driver circuit board and the plurality of input terminals of the second driver circuit board, respectively, via the plurality of board terminals of the electronic circuit board.

2. The electronic module of claim 1, wherein the terminal region includes an x terminal region arranged along an x direction of the electronic circuit board, and the first and second driver circuit boards are mounted on the x terminal region so as to be adjacent to each other along the x direction.

3. The electronic module of claim 1, wherein the terminal region includes an x terminal region arranged along an x direction of the electronic circuit board, and the input board has a belt portion extending in the x direction and a plurality of protrusions extending in a y direction crossing the x direction from the belt portion.

4. The electronic module of claim 3, wherein each of the first and second driver circuit boards is placed between a pair of the protrusions which are adjacent to each other, and the plurality of first and second branch wiring

lines extend along the plurality of protrusions.

5. The electronic module of claim 4, wherein the plurality of input terminals of each of the first and second driver circuit boards define first-side and second-side input terminal groups located on at least two regions which are spaced apart from each other in the x direction, and the plurality of first branch wiring lines and the plurality of second branch wiring lines individually define first-side and second-side branch wiring line groups branched from the main wiring lines in different regions which are spaced apart from each other in the x direction in correspondence with the first-side and second-side input terminal groups.

6. The electronic module of claim 2, wherein the plurality of input terminals of each of the first and second driver circuit boards define first-side and second-side input terminal groups located on at least two regions which are spaced apart from each other in the x direction.

7. The electronic module of claim 6, wherein the plurality of first branch wiring lines and the plurality

of second branch wiring lines individually define first-side and second-side branch wiring line groups branched from the main wiring lines in different regions which are spaced apart from each other in the x direction in correspondence with the first-side and second-side input terminal groups.

8. The electronic module of claim 7, wherein the input board has a belt portion extending in the x direction and a plurality of protrusions extending in a y direction crossing the x direction from the belt portion, and the plurality of protrusions include a protrusion having the second-side branch wiring line group connected to the first driver circuit board and the first-side branch wiring line group connected to the second driver circuit board.

9. The electronic module of claim 4, wherein each of the first and second driver circuit boards has first and second edges spaced apart from each other in the x direction, the plurality of input terminals of the first driver circuit board are located near the first edge of the first driver circuit board, and the plurality of input terminals

of the second driver circuit board are located near the first edge of the second driver circuit board.

10. The electronic module of claim 9, wherein the plurality of protrusions include first and second protrusions adjacent to each other in the x direction, the first protrusion has the first branch wiring line, and the second protrusion has the second branch wiring line.

11. The electronic module of claim 3, wherein the first and second driver circuit boards and the belt portion of the input board partially overlap each other when viewed in a direction that is substantially perpendicular to the electronic circuit board.

12. The electronic module of claim 3, wherein the first and second protrusions of the input board, the first driver circuit board and the second driver circuit board are bent to form a predetermined angle with respect to the electronic circuit board.

13. The electronic module of claim 1, wherein the electronic module includes m ($m \geq 3$) driver circuit boards

including the first and second driver circuit boards, the input board has m sets of a plurality of branch wiring lines including the plurality of first branch wiring lines and the plurality of second wiring lines respectively corresponding to the m driver circuit boards, the plurality of board terminals of the electronic circuit board include a plurality of board terminals for the input board respectively connected to the m sets of the plurality of branch wiring lines, the plurality of board terminals for the input board on the electronic circuit board form n ($n \geq 3$) board terminal groups including the first, second, ..., k -th, $(k+1)$ th, ..., n -th groups, each of the n board terminal groups including a plurality of board terminals for input board arranged in an x direction at a predetermined pitch, and in at least two board terminal groups, a predetermined pitch P_k in the k -th board terminal group and a predetermined pitch P_{k+1} in the $(k+1)$ th board terminal group have the relationship $P_k < P_{k+1}$.

14. The electronic module of claim 2, further comprising third and fourth driver circuit boards mounted on a y terminal region of the electronic circuit board arranged along a y direction crossing an x direction, each

of the third and fourth driver circuit boards has a plurality of input terminals and a plurality of output terminals, the plurality of output terminals being electrically connected to the plurality of signal lines of the electronic circuit board, the plurality of input terminals receiving signals via the input board.

15. The electronic module of claim 1, wherein the input board is a FPC.

16. The electronic module of claim 1, wherein the first and second driver circuit boards are COFs.

17. The electronic module of claim 1, wherein the input board and the first and second driver circuit boards are bendable.

18. The electronic module of claim 1, wherein the electronic module is a liquid crystal module.

19. A method of manufacturing an electronic module, comprising the steps of:

forming an anisotropic conductive film on a predeter-

mined region of a terminal region of an electronic circuit board;

mounting an input board and first and second driver circuit boards so as to partially overlap the predetermined region of the terminal region via the anisotropic conductive film; and

bonding the input board and the first and second driver circuit boards to the anisotropic conductive film simultaneously to electrically connect a plurality of input terminals of the first and second driver circuit boards to first and second branch wiring lines, which are provided on the input board, via a plurality of board terminals of the electronic circuit board and so as to electrically connect a plurality of output terminals of the first and second driver circuit boards to a plurality of signal lines on the electronic circuit board.